

<p style="text-align: center;"><b>INFORMATION DISCLOSURE CITATION</b>  <small>(Use several sheets if necessary)</small></p> <p style="text-align: right;">OCT 1 2004 SEP 02 2004 U.S. PATENT AND TRADEMARK OFFICE</p>				ATTY DOCKET NO. <b>A382-USA</b>	APPLICATION NO. <b>10/711,154</b>	
				APPLICANT(S) <b>Jiang</b>		
				FILING DATE <b>August 27, 2004</b>	GROUP ART UNIT	
				<b>U.S. PATENT DOCUMENTS</b>		
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
TMS	JP 2002 362972 A	04/02/2003	Japan			
TMS	JP 2001 302345 A	04/02/2002	Japan			
TMS	WO 01/80783 A2	11/01/2001	WIPO			
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>						
<b>EXAMINER</b> <i>[Signature]</i>			<b>DATE CONSIDERED</b> <i>10/05</i>			
<b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional) <b>A382-USA</b>	Application Number
		Applicant(s) <b>Jiang</b>	
		Filing Date	Group Art Unit
*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
TMS	<b>CHUNG, T., SONG, H., KIM, G. and D.; "Microstructure and Phase Stability of Yttria-Doped Tetragonal Zirconia Polycrystals Heat Treated In Nitrogen Atmosphere", J. Am. Ceram. Soc., 80 [10] 2607-12 (1997)</b>		
TMS	<b>DRUMMOND, L.; "In Vitro Aging of Yttria-Stabilized Zirconia"; J. Am. Ceram. Soc., 72 [4] 657-76 (1989)</b>		
TMS	<b>KOH, Y., KONG, Y., KIM, S., KIM, H.; "Improved Low-Temperature Environmental Degradation of Yttria-Stabilized Tetragonal Zirconia Polycrystals by Surface Encapsulation", J. Am. Ceram. Soc., 82 [6] 1456-58 (1999)</b>		
TMS	<b>CREMILLARD, CHEVALIER, EPICIER AND FANTOZZI, "Improving the Durability of a Biomedical-Grade Zirconia Ceramic by the Addition of Silica", J. Am. Ceram. Soc., 85 [2] 401-407 (2002)</b>		
TMS	<b>DRUMMOND, J.; "Effects of In Vitro Aging of Magnesia-Stabilized Zirconia"; J. Am. Ceram. Soc., 75 [5]; 1278-1280; 1992</b>		
TMS	<b>PICONI, C. and MACCAURO, G.; "Zirconia as a Ceramic Biomaterial", Biomaterials; 1999; 1-25; 20</b>		
TMS	<b>LIN, J. and DUH, J., "Crystallity Size and Microstrain of Thermally Aged Low-Ceria and Low-Yttria-Doped Zirconia"; J. Am. Ceram. Soc., 81 [4] 853-60 (1998)</b>		
TMS	<b>HO, F. and WEI, W., "Dissolution of Yttrium Ions and Phase Transformation of 3Y-TZP Powder in Aqueous Solution"; J. Am. Ceram. Soc., 82 [6] 1614-16 (1999)</b>		
TMS	<b>LI, J. and WATANABE, R.; "Phase Transformation in Y2O3-Partially-Stabilized ZrO<sub>2</sub> Polysrystals of Various Grain Sizes during Low-Temperature Aging in Water"; J. Am. Ceram. Soc., 80 [10] 2607-12 (1997)</b>		
TMS	<b>PICONI, C., BURGER, W., et al; "Y-TZP Ceramics for Artificial Joint Replacements"; Biomaterials 19 (1998) 1489-1494</b>		
EXAMINER <i>[Signature]</i>		DATE CONSIDERED <b>10/05</b>	
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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Title of Invention	Material and Method to Prevent Low Temperature Degradation of Zirconia in Biomedical Implants
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Application Number : 10/711,154

Confirmation Number:

First Named Applicant: Guangqiang Jiang

Attorney Docket Number: A382-USA

Art Unit:

Examiner:

Search string: ( 4414282 or 4536203 or 4587225 or 5021307 or 5104738 or 5648302 or 5693580 or 5820989 or 6609013 or 20020013625 ).pn

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
TMS	1	4414282	1983-11-08	McCollister			
	2	4536203	1985-08-20	Kramer			
	3	4587225	1986-05-06	Tsukidate			
	4	5021307	1991-06-04	Brow			
	5	5104738	1992-04-14	Brow			
	6	5648302	1997-07-15	Brow			
	7	5693580	1997-12-02	Brow			
↓	8	5820989	1998-10-13	Reed			
TMS	9	6609013	2000-05-30	Kwon			

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
TMS	1	20020013625	2002-01-31	Abouaf			

## Signature

Examiner Name Tomas M. Speer	Date 10/05
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